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## WHAT IS CLAIMED IS:

 A method of driving an electronic device, with one frame period comprising n sub-frame periods SF<sub>1</sub>, SF<sub>2</sub>, ..., SF<sub>n</sub>, the n sub-frame periods each comprising address (writing) periods Ta<sub>1</sub>, Ta<sub>2</sub>, ..., Ta<sub>n</sub> and sustain (lights-on) periods Ts<sub>1</sub>, Ts<sub>2</sub>, ..., Ts<sub>n</sub>.

wherein the address (writing) period overlaps with the sustain (lights-on) period in at least one sub-frame period of the n sub-frame periods, and

wherein, in the case where an address (writing) period  $Ta_m (1 \le m \le n)$  of a sub-frame period  $SF_m$  overlaps with an address (writing) period  $Ta_{m+1}$  of a sub-frame period  $SF_{m+1}$ , a clear period  $Tc_m$  is provided which starts upon completion of a sustain (lights-on) period  $Ts_m$  of the sub-frame period  $SF_m$  and ends upon start of the address (writing) period  $Ta_{m+1}$ .

2. A method of driving an electronic device, with one frame period comprising n sub-frame periods SF<sub>1</sub>, SF<sub>2</sub>, ..., SF<sub>n</sub>, the n sub-frame periods each comprising address (writing) periods Ta<sub>1</sub>, Ta<sub>2</sub>, ..., Ta<sub>n</sub> and sustain (lights-on) periods Ts<sub>1</sub>, Ts<sub>2</sub>, ..., Ts<sub>n</sub>,

wherein the address (writing) period overlaps with the sustain (lights-on) period in at least one sub-frame period of the n sub-frame periods, and

wherein, in the case where an address (writing) period  $Ta_n$  of a j-th (0 < j) frame sub-frame period  $SF_n$  overlaps with an address (writing) period  $Ta_1$  of a (j + 1)-th frame sub-frame period  $SF_1$ , a clear period  $Tc_n$  is provided which starts upon completion of a sustain (lights-on) period  $Ts_n$  of the j-th frame sub-frame period  $SF_n$  and ends upon start of the address (writing) period  $Ta_1$  of the (i + 1)-th frame sub-frame period  $SF_n$ .

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3. A method of driving an electronic device, with one frame period comprising n sub-frame periods SF<sub>1</sub>, SF<sub>2</sub>, ..., SF<sub>n</sub>, the n sub-frame periods each comprising address (writing) periods Ta<sub>1</sub>, Ta<sub>2</sub>, ..., Ta<sub>n</sub> and sustain (lights-on) periods Ts<sub>1</sub>, Ts<sub>2</sub>, ..., Ts<sub>n</sub>,

wherein, in a certain sub-frame period  $SF_k$  ( $1 \le k \le n$ ), when the length of its address (writing) period is given as  $ta_k$ , the length of its sustain (lights-up) period as  $ts_k$ , and the length of one gate signal line selecting period as  $t_g$  ( $ta_k$ ,  $t_g > 0$ ), and  $ta_k > ts_k$  is satisfied, the length of  $SF_{\pi}$ 's clear period given as  $Tc_k$  ( $Tc_k > 0$ ) always satisfies the following expression:

$$tc_k \ge ta_k - (ts_k + t_g)$$

- 4. A method of driving an electronic device as claimed in claim 1, wherein a clear signal inputted during the clear period is provided by increasing or lowering the electric potential of a capacitor storage line by means of a signal inputted from a capacitor storage line driving circuit.
- 5. A method of driving an electronic device as claimed in claim 2, wherein a clear signal inputted during the clear period is provided by increasing or lowering the electric potential of a capacitor storage line by means of a signal inputted from a capacitor storage line driving circuit.
- 6. A method of driving an electronic device as claimed in claim 3, wherein a clear signal inputted during the clear period is provided by increasing or lowering the electric potential of a capacitor storage line by means of a signal inputted from a capacitor storage line driving circuit.

- 7. A method of driving an electronic device as claimed in claim 1, wherein an EL element does not emit light during the clear period irrespective of an image signal.
- 8. A method of driving an electronic device as claimed in claim 2, wherein an EL
  element does not emit light during the clear period irrespective of an image signal.
  - A method of driving an electronic device as claimed in claim 3, wherein an EL element does not emit light during the clear period irrespective of an image signal.
  - 10. An electronic device comprising a source signal line side driver circuit, a gate signal line side driver circuit, a capacitor storage line driving circuit, and a pixel portion, wherein: the pixel portion has a plurality of source signal lines, a plurality of gate signal lines, a plurality of current supply lines, a plurality of capacitor storage lines, and a plurality of pixels; each of the plurality of pixels has a switching transistor, an EL driving transistor, a capacitor storage, and an EL element;
  - the switching transistor has a gate electrode electrically connected to the gate signal line:
  - the switching transistor has a source region and a drain region one of which is electrically connected to the source signal line and the other of which is electrically connected to a gate electrode of the EL driving transistor;
  - the capacitor storage has an electrode electrically connected to the capacitor storage line and has another electrode electrically connected to the gate electrode of the EL driving transistor; and

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the EL driving transistor has a source region and a drain region one of which is electrically connected to the current supply line and the other of which is electrically connected to one electrode of the EL element.

- 11. An electronic device as claimed in claim 10, wherein the capacitor storage line is electrically connected to the capacitor storage line driving circuit so that a signal having amplitude is inputted to the capacitor storage line from the capacitor storage line driving circuit.
  - 12. An electronic device operated by a driving method in which: one frame period comprises n sub-frame periods SF<sub>1</sub>, SF<sub>2</sub>, ..., SF<sub>n</sub>;

the n sub-frame periods each comprises address (writing) periods  $Ta_1, Ta_2, ..., Ta_n$  and sustain (lights-on) periods  $Ts_1, Ts_2, ..., Ts_n$ ;

the address (writing) period overlaps with the sustain (lights-on) period in at least one sub-frame period of the n sub-frame periods; and,

in the case where an address (writing) period  $Ta_m(1 \le m \le n)$  of a sub-frame period  $SF_m$  overlaps with an address (writing) period  $Ta_{m+1}$  of a sub-frame period  $SF_{m+1}$ , a clear period  $Tc_m$  is provided which starts upon completion of a sustain (lights-on) period  $Ts_m$  of the sub-frame period  $SF_m$  and ends upon start of the address (writing) period  $Ta_{m+1}$ .

An electronic device operated by a driving method in which:
 one frame period comprises n sub-frame periods SF<sub>1</sub>, SF<sub>2</sub>, ..., SF<sub>n</sub>;

sustain (lights-on) periods Ts1, Ts2, ..., Tsn;

the n sub-frame periods each comprises address (writing) periods  $\mathrm{Ta}_1,\,\mathrm{Ta}_2,\,...,\,\mathrm{Ta}_n$  and

the address (writing) period overlaps with the sustain (lights-on) period in at least one sub-frame period of the n sub-frame periods; and.

in the case where an address (writing) period  $Ta_n$  of a j-th (0 < j) frame sub-frame period  $SF_n$  overlaps with an address (writing) period  $Ta_1$  of a (j+1)-th frame sub-frame period  $SF_1$ , a clear period  $Tc_n$  is provided which starts upon completion of a sustain (lights-on) period  $Ts_n$  of the j-th frame sub-frame period  $SF_n$  and ends upon start of the address (writing) period  $Ta_1$  of the (j+1)-th frame sub-frame period  $SF_n$ .

## 14. An electronic device wherein:

one frame period comprises n sub-frame periods SF1, SF2, ..., SFn;

the n sub-frame periods each comprises address (writing) periods  $Ta_1$ ,  $Ta_2$ , ...,  $Ta_n$  and sustain (lights-on) periods  $Ts_1$ ,  $Ts_2$ , ...,  $Ts_n$ ; and,

in a certain sub-frame period  $SF_k$  ( $1 \le k \le n$ ), when the length of its address (writing) period is given as  $ta_k$ , the length of its sustain (lights-up) period as  $ts_k$ , and the length of one gate signal line selecting period as  $t_g$  ( $ta_k$ ,  $ts_k$ ,  $t_g > 0$ ), and  $ta_k > ts_k$  is satisfied, the length of  $SF_k$ 's clear period given as  $Tc_k$  ( $Tc_k > 0$ ) always satisfies the following expression:

$$tc_k \ge ta_k - (ts_k + t_g)$$

15. An electronic device as claimed in claim 12, wherein a clear signal inputted during the clear period is provided by increasing or lowering the electric potential of a capacitor storage line by means of a signal inputted from a capacitor storage line driving circuit.

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16. An electronic device as claimed in claim 13, wherein a clear signal inputted during the clear period is provided by increasing or lowering the electric potential of a capacitor storage line by means of a signal inputted from a capacitor storage line driving circuit.

- 17. An electronic device as claimed in claim 14, wherein a clear signal inputted during the clear period is provided by increasing or lowering the electric potential of a capacitor storage line by means of a signal inputted from a capacitor storage line driving circuit.
- 18. An electronic device as claimed in claim 12, wherein an EL element does not emit light during the clear period irrespective of an image signal.
- 19. An electronic device as claimed in claim 13, wherein an EL element does not emit light during the clear period irrespective of an image signal.
- 20. An electronic device as claimed in claim 14, wherein an EL element does not emit light during the clear period irrespective of an image signal.
- 21. A method of driving a electronic device according to claim 1, wherein said electronic device is a device selected from the group consisting of: an EL display, a video camera, a head-mount display, a DVD player, a personal computer, a cellular phone and an audio system for automobiles.
- 22. A method of driving a electronic device according to claim 2, wherein said electronic device is a device selected from the group consisting of: an EL display, a video camera,

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a head-mount display, a DVD player, a personal computer, a cellular phone and an audio system for automobiles.

- 23. A method of driving a electronic device according to claim 3, wherein said electronic device is a device selected from the group consisting of: an EL display, a video camera, a head-mount display, a DVD player, a personal computer, a cellular phone and an audio system for automobiles.
- 24. An electronic device according to claim 10, wherein said electronic device is a device selected from the group consisting of: an EL display, a video camera, a head-mount display, a DVD player, a personal computer, a cellular phone and an audio system for automobiles.
- 25. An electronic device according to claim 12, wherein said electronic device is a device selected from the group consisting of: an EL display, a video camera, a head-mount display, a DVD player, a personal computer, a cellular phone and an audio system for automobiles.
- 26. An electronic device according to claim 13, wherein said electronic device is a device selected from the group consisting of: an EL display, a video camera, a head-mount display, a DVD player, a personal computer, a cellular phone and an audio system for automobiles.
- 27. An electronic device according to claim 14, wherein said electronic device is a device selected from the group consisting of: an EL display, a video camera, a head-mount display, a DVD player, a personal computer, a cellular phone and an audio system for automobiles.